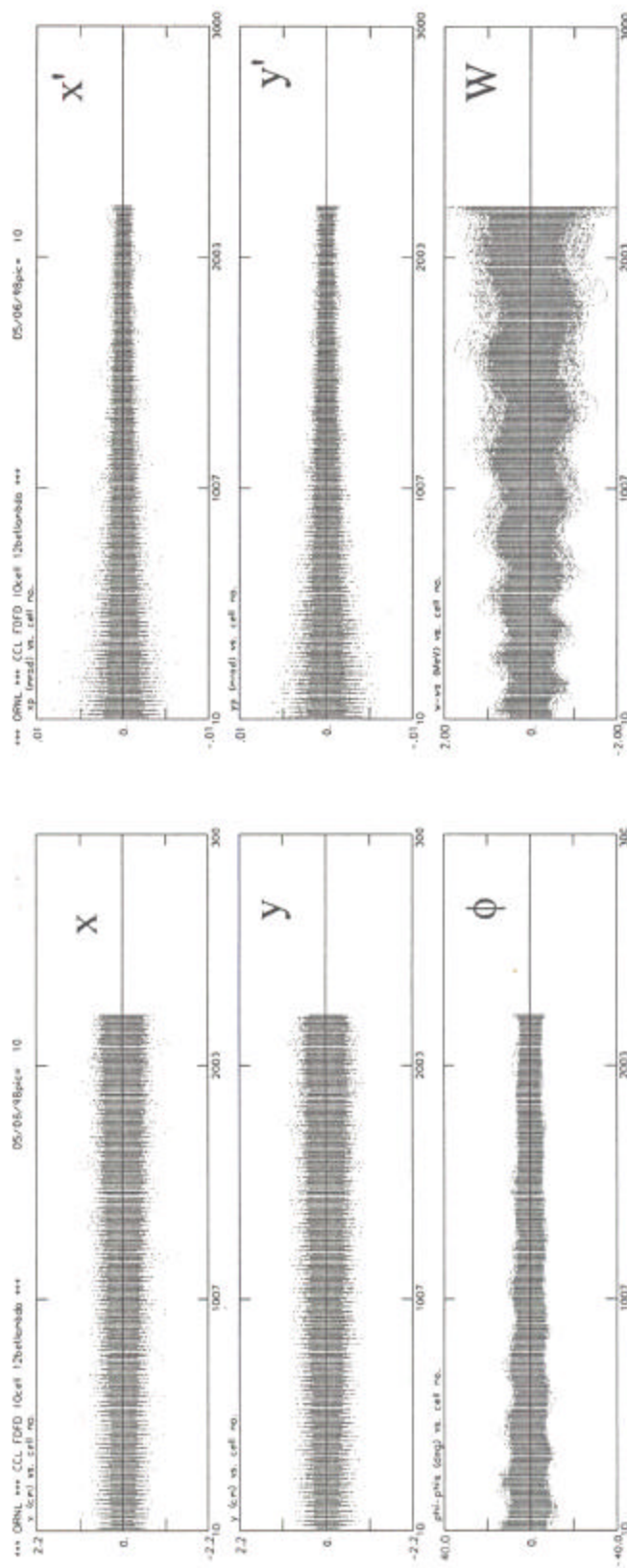


End to End Simulation Confirms Dynamics



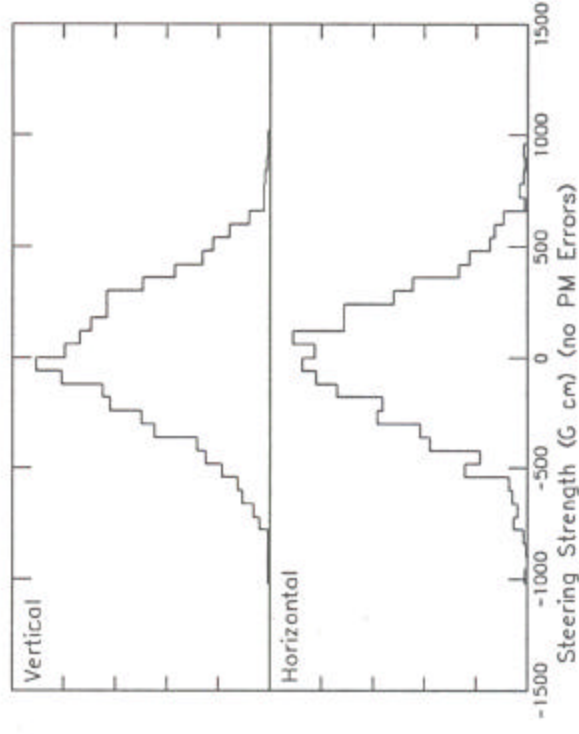
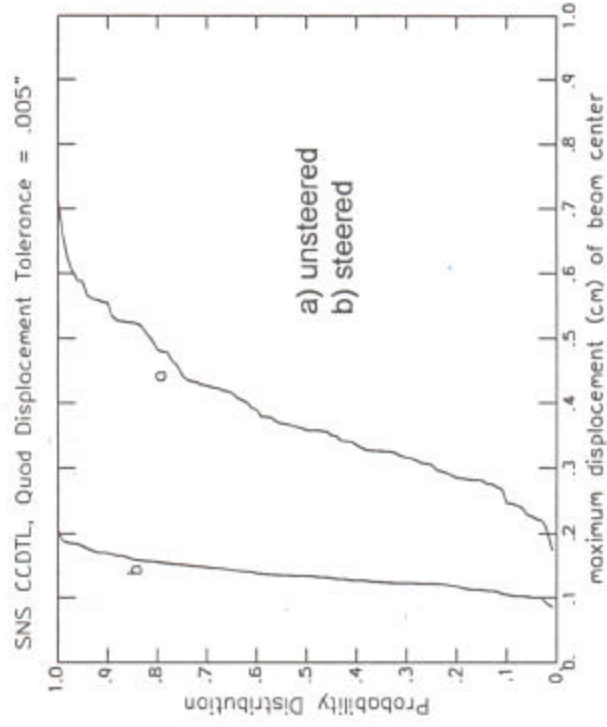
- Beam through CCL 2, simulation from RFQ input, 4-MW case
- Full scales are 2.2 cm, 40 degrees, 10 mrad, and 2.0 MeV, respectively



Error Studies Provide Linac Specs



- 100 run random displacement error distribution with 0.005" max offset in CCDTL
- 9 bpm/steerer pairs; 100% probability of beam remaining within 2 mm of axis; 1000 G-cm corresponds to quad motion of 0.45 mm



Expert Staff Are Available



Physics

Beam Dynamics

Tarlochan Bhatia-X
 Harunori Takeda-X
 George Neuschaefer-X
 Tom Wangler-advisor*
 Subrata Nath
 Barbara Blind
 Paul Channel
 Ed Gray
 Bob Jameson
 Walter Lysenko
 Thomas Mottershead
 Filippo Neri
 Robert Ryne - Codes*
 Tai-Sen Wang

Structures

Jim Billen-X
 Frank Krawczyk
 Sergey Kurennoy-X
 Brian Rusnak
 Jim Stovall
 Lloyd Young *
 NGC

LANSCE 9

new hire

Allen Shapiro -tech
 Roland Bibeau - tech

Magnets

Ted Hunter-X
 Dave Barlow
 Technician-X

Diagnostics

Doug Gilpatrick-X
 John Power-X
 Bill Selleye
 New hire
 Bob Shafer-X
 2 technicians-X

Structures Engineering

Engineers

Dale Schrage-X
 Rick Wood
 Robert Valdiviez

Paul Leslie-X

Pat Kelley

Richard LeFave-X

New hire

Design Techs

Phil Roybal-X

Floyd Sigler

Angelo Naranjo

John Ledford-X

2 new hires

Structures Mech Techs

Bill Clark

Felix Martinez

Armando Rendon-X

John Mitchell

Harvey Haagenstad

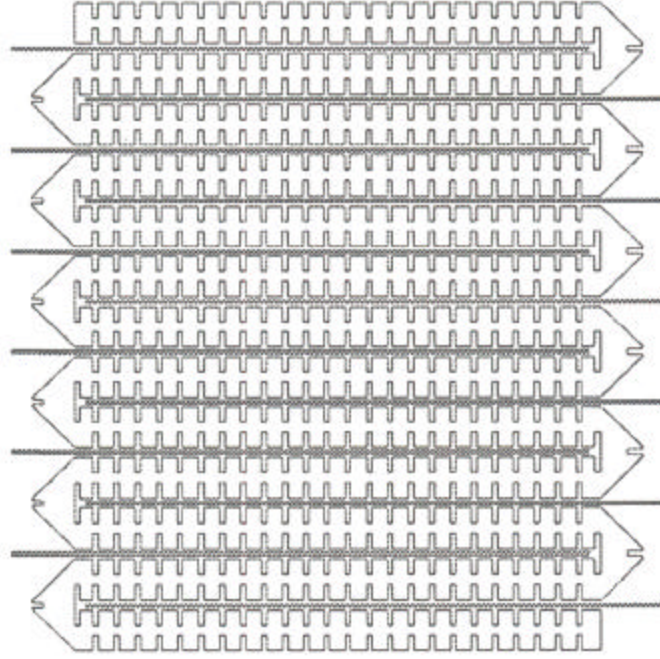
Dennis Montoya

2 contractors

Time-Dependent Chopper Simulations



- 1-ns rise time assumed for input voltage pulse



Meander-line configuration with ground plane separators

